



Atty. Docket No.: 25436/2252

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant of: Clark, et al.  
Serial No.: 10/629,722  
Filed: July 28, 2003  
Entitled: THERMOSTABLE PROTEASE  
WITH ALTERED CLEAVAGE  
SPECIFICITY

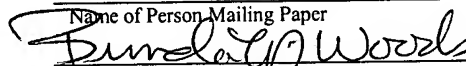
Examiner: Not Yet Assigned  
Group Art Unit: Not Yet Assigned  
Conf. No.: Not Yet Assigned

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a**

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Brenda M. Woods

Name of Person Mailing Paper

  
Signature of Person Mailing Paper

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98**

Dear Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office.

A listing of the cited documents is also enclosed, as well as, for the Examiner's convenience, copies of the documents in the list.

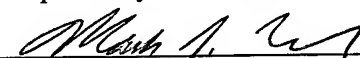
Pursuant to CFR § 1.97(b)(3), because this Statement is being submitted before the first Office Action on the merits, no fee is required.

Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Date: September 4, 2003

Respectfully submitted,

  
Name: Mark J. FitzGerald

Registration No.: 45,928

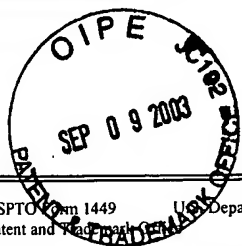
Customer No.: 27495

Palmer & Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100



USPTO Form 1449 Patent and Trademark Office Department of Commerce <b>INFORMATION DISCLOSURE STATEMENT</b>				Attorney Docket No. <b>25436/2252</b>		Serial No. <b>10/629,722</b>		
				Applicant(s): <b>Clark, et al.</b>				
				Filing Date: <b>July 28, 2003</b>		Group: <b>Not Yet Assigned</b>		
<b>U.S. PATENT DOCUMENTS</b>								
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)	
<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initial		Document No.	Publication Date	Country	Class	Subclass	Translation	
							YES	NO
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)</b>								
	1.	de Kreij, A. et al., (2002), "The Effects of Modifying the Surface Charge on the Catalytic Activity of a Thermolysin-like Protease", <i>The Journal of Biological Chemistry</i> , 277(18):15432-15438.						
	2.	de Kreij, A. et al., (2001), "The effect of changing the hydrophobic S <sub>1</sub> ' subsite of the thermolysin-like proteases on substrate specificity", <i>Eur. J. Biochem.</i> , 268:4985-4991.						
	3.	de Kreij, A. et al., (2000), "Substrate Specificity in the Highly Heterogeneous M4 Peptidase Family Is Determined by a Small Subset of Amino Acids", <i>The Journal of Biological Chemistry</i> , 275(40):31115-31120.						
	4.	DeSantis, G. et al., (1999), "Probing the Altered Specificity and Catalytic Properties of Mutant Subtilisin Chemically Modified at Position S156C and S166C in the S <sub>1</sub> Pocket", <i>Bioorganic &amp; Medicinal Chemistry</i> , 7:1381-1387.						
	5.	Takahashi, M. et al., (2001), "Improved Autoprocessing Efficiency of Mutant Subtilisins E with Altered Specificity by Engineering of the Pro-Region", <i>J. Biochem.</i> , 130:99-106.						
EXAMINER					DATE CONSIDERED			
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.</small>								
<small>**Copies of references not provided at the time of this submission.</small>								